Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-01-02** **Date: 06/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 06/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	29/06/2019	06/07/2019	151.30 X 149.37 X 149.00	22601	8.431	420.9	18.6	18.6
2	Drain Side Wall Concrete	M20	29/06/2019	06/07/2019	151.15 X 149.91 X 151.57	22659	8.654	421.3	18.6	
3	Drain Side Wall Concrete	M20	29/06/2019	06/07/2019	151.48 X 150.91 X 150.15	22860	8.565	428.2	18.7	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-08-01-02

Date: 27/07/2019

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.

Agency : Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.

Customer's Reference : EE(YNK D)E-PMT-09/W.O/07/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-07-19

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 27/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Drain Side Wall Concrete	M20	29/06/2019	27/07/2019	149.22 X 150.39 X 151.17	22442	8.520	537.6	24.0	23.2
2	Drain Side Wall Concrete	M20	29/06/2019	27/07/2019	150.92 X 151.19 X 151.05	22818	8.032	513.4	22.5	
3	Drain Side Wall Concrete	M20	29/06/2019	27/07/2019	150.52 X 149.33 X 151.70	22477	8.743	517.5	23.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 06/07/2019

Lab ID	:	CP-2019-08-01-02
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	06/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	29/06/2019	06/07/2019	149.91 X 150.37 X 151.13	22543	8.431	415.1	18.4	18.5
2	Drain Side Wall Concrete	M20	29/06/2019	06/07/2019	150.77 X 149.90 X 149.32	22601	8.654	424.1	18.8	
3	Drain Side Wall Concrete	M20	29/06/2019	06/07/2019	149.89 X 149.81 X 150.91	22455	8.565	409.7	18.2	

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-08-01-02** **Date: 22-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No.251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-06-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	20-06-19
Environmental Conditions during test	:	Temperature 26°C Humidity 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.43	–
2	Finess by Air permeablity method (m^2/kg,Min)	255.2	225m^2/kg, Min
3	Density (gm/cc)	3.11	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	170 minutes	Not less than 30 minutes
6	Final Setting time	285 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

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Page 1/1
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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-08-01-02** **Date: 18-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-06-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	20-06-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength			
Sl.No.	**Physical properties**	**Results**	**Requirement as per IS 12269: 2013**
1	3 Days	28.0N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.0N/mm^2	Not less than 53 N/mm^2

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-08-01-02** **Date: 22-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	19-06-19
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	19-06-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	222	222	1.5	98.5	90-100
3	20 mm	5327	5549	37.0	63.0	30-70
4	10 mm	4778	10327	68.8	31.2	10-35
5	4.75 mm	4344	14671	97.8	2.2	0-5
6	Pan	329	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-08-01-02** **Date: 21-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-06-19
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	19-06-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	235	235	4.7	95.3	90-100
3	10 mm	2665	2900	58.0	42.0	25-55
4	4.75 mm	1788	4688	93.8	6.2	0-10
5	Pan	312	5000	100	0	–

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2019-08-01-02** **Date: 21-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-06-19
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	19-06-19
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	28	28	2.8	97.2	90-100	90-100	90-100	95-100
3	2.36 mm	57	85	8.5	91.5	60-95	75-100	85-100	95-100
4	1.18 mm	232	317	31.7	68.3	30-70	55-90	75-100	90-100
5	600 micron	200	517	51.7	48.3	15-34	35-59	60-79	80-100
6	300 micron	201	718	71.8	28.2	5-20	8-30	12-40	15-50
7	150 micron	188	906	90.6	9.4	0-10	0-10	0-10	0-15
8	Pan	94	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2019-08-01-02** **Date: 25-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-06-19
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	24-06-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.392	510	654	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.618	526	676	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.886	542	666	20.0%	Satisfactory	Satisfactory

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2019-08-01-02** **Date: 06-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-19
Sample Type /Size	:	Precast Cover Slab(100 mm)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	02/07/2019

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.52	100.49	1.126	4478	81.5	18.2	16.9	21.2
2	Cover Slab-2	75.51	100.51	1.124	4477	82.1	18.3	17.1	21.3
3	Cover Slab-3	75.48	100.53	1.116	4474	81.6	18.2	17.0	21.2

Note:

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AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2019-08-01-02**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-19
Sample Type /Size	:	Precast Cover Slab(250 mm)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	02/07/2019

Date: 06-07-19

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	200.51	250.48	3.116	31570	240.9	7.6	7.1	8.9
2	Cover Slab-2	200.49	250.52	3.122	31564	242.3	7.7	7.1	8.9
3	Cover Slab-3	200.50	250.51	3.118	31567	241.5	7.7	7.1	8.9

Note:

The results pertain to the samples received and tested.
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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Page 1/1
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-01-02** **Date: 03/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-06-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	03/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	26/06/2019	03/07/2019	149.37 X 151.09 X 149.65	22568	8.431	419.8	18.6	18.6
2	Drain Bottom Slab Concrete	M20	26/06/2019	03/07/2019	149.37 X 150.01 X 149.89	22407	8.654	410.8	18.3	
3	Drain Bottom Slab Concrete	M20	26/06/2019	03/07/2019	151.33 X 150.21 X 150.09	22732	8.565	428.9	18.9	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-01-02** **Date: 24/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Drain at B Sector Main Road in Ward No 04, Yelahanka Division.
Agency	:	Sri.Mohit Gowda G, No:251, 2nd Main Road, Hebbal, Bangalore-560024.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-06-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	24/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	26/06/2019	24/07/2019	151.31 X 151.03 X 151.14	22852	8.520	542.4	23.7	23.4
2	Drain Bottom Slab Concrete	M20	26/06/2019	24/07/2019	151.69 X 150.19 X 151.61	22782	8.032	522.7	22.9	
3	Drain Bottom Slab Concrete	M20	26/06/2019	24/07/2019	150.84 X 151.08 X 149.17	22790	8.743	539.2	23.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-08-01-02** **Date: 03/07/2019**
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Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-06-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	03/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	26/06/2019	03/07/2019	149.63 X 150.28 X 151.42	22487	8.431	413.4	18.4	18.4
2	Drain Bottom Slab Concrete	M20	26/06/2019	03/07/2019	150.42 X 149.13 X 150.74	22432	8.654	410.9	18.3	
3	Drain Bottom Slab Concrete	M20	26/06/2019	03/07/2019	150.30 X 150.47 X 149.72	22615	8.565	419.3	18.5	

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R. Rudraprasad
R RUDRAPRASAD
Authorized Signatory
Technical Manager

CIVIL Pro Sig. Date. BANGALORE

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 24/07/2019

Lab ID	:	CP-2019-08-01-02
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
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Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/07/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-06-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	26/06/2019	24/07/2019	150.85 X 150.81 X 150.89	22749	8.520	534.9	23.5	23.2
2	Drain Bottom Slab Concrete	M20	26/06/2019	24/07/2019	149.11 X 150.34 X 151.17	22418	8.032	507.0	22.6	
3	Drain Bottom Slab Concrete	M20	26/06/2019	24/07/2019	150.09 X 151.72 X 150.29	22771	8.743	536.9	23.6	

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